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ABSTRACT

This book is a child-centered program for students of ages four through eight to enable children to make sense of their experience, build meaning, and take effective action in their world. The units describe classroom techniques for determining what basic ideas, experiences, and questions the children have and continuing the instructional process from that level. The units use a number of strategies for teaching, learning, and classroom management and run 3 to 6 weeks. Unit titles include: "Scientists in the Kitchen: Identifying Natural and Processed Materials"; "Cycles of Life: Living, Growing, and Dying"; "The Dark is a Big Shadow: Understanding Night and Day"; "If the Cow Runs Out of Grass, She Stops: Energy and Fuel"; "The Scientific Birthday Party: States and Properties of Matter"; "The Teddy Bears' Barbecue: Chemical Change"; "Egbert, What Do You Know About Rain?: The Water Cycle"; "A Watery Treasure Hunt: Floating and Sinking"; "Oh No, Quickie the Cat Dissolved!: Dissolving"; "How Do You Make Hard Vegetables Soft?: Heat and Energy"; "The Zoo in My Garden: Animals, Plants, and Habitats"; "Pop Goes the Corn: Processing Materials"; "My Special Flashlight: Illumination and Electricity"; "Mechanical Toys: How Do They Work?"; "Making Dirt: Earth and Soil"; "The Story Within: What's Inside Your Body?"; "Our Place in Space: Outer Space"; and "They Don't Tell the Truth About the Wind: Working Scientifically." (MKR)

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